

REMARKS

Claims 1-58 are pending. Claims 2-41 and 43-58 are withdrawn from consideration by the Examiner although Applicants Response to Restriction Requirement was made with traverse on October 31, 2001. Claims 1 and 42 stand rejected.

Restriction Requirement

Applicants understand that the Examiner has made the Restriction Requirement final. Applicants continue to traverse the requirement and attach hereto a Petition for Reconsideration of Restriction Requirement.

Rejections under 35 U.S.C. § 112

Claims 1 and 42 are rejected under 35 U.S.C. §112, second paragraph. Specifically, the Examiner states "regarding the limitation 'said slots have an electrical angle' cited in claims 1 and 42, the limitation is not clear that a single slot or total of the slots which have the range of an electrical angle as cited in claims 1 and 42." In addition, the Examiner states "the total of the slots that are appear to be impossible to have an electrical angle between 80 degrees and 95 degrees, and 20 degrees and 35 degrees." Applicants have amended claims 1 and 42 to clearly recite that each of the slots have an electrical angle between either 80 degrees and 95 degrees or 20 degrees and 35 degrees. Therefore, Applicants respectfully submit that claims 1 and 42 (as amended) overcome the 35 U.S.C. § 112, second paragraph rejection and request that the rejection be withdrawn.

Rejections under 35 U.S.C. §102

Claims 1 and 42 are rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent 4,672,253 to Tajima et al. Applicants respectfully traverse this rejection for the reasons set forth below.

Applicants' invention, as recited in claim 1 (as amended) includes features which are neither disclosed nor suggested by Tajima et al. ("Tajima"), namely:

... a plurality of slots formed in said core, said plurality of slots each have an electrical angle which is one of between 80 degrees and 95 degrees and between 20 degrees and 35 degrees ... (emphasis added)

These features are described in Applicants' specification, for example, at page 16, line 4 through page 17, line 12.

According to claim 1, a motor core has a plurality of slots formed in the core which with each of the plurality of slots having an electrical angle either between 80 degrees and 95 degrees or between 20 degrees and 35 degrees.

Tajima is relied upon as "[disclosing] a core for use with a motor ... the core comprising: a plurality of slots formed in the core, one of the slots (8b3) has an electrical angle which is between 20 degrees and 35 degrees (col. 11, lines 25-30)..."(emphasis added). Office Action at page 4, paragraph 7. Tajima does not disclose or suggest, however, that each of the plurality of slots have an electrical angle either between 80 degrees and 95 degrees or between 20 degrees and 35 degrees.

In contrast, Applicants invention, as recited in claim 1, specifies that each of the plurality of slots have an electrical angle of either between 80 degrees and 95 degrees or between 20 degrees and 35 degrees.

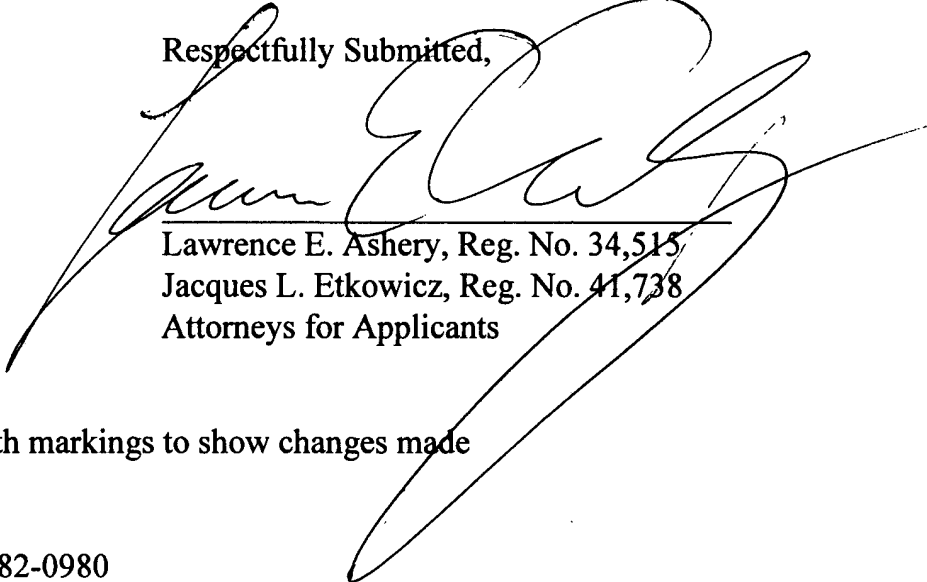
It is because Applicants have included the feature of each of the plurality of slots having an electrical angle of either between 80 degrees and 95 degrees or between 20 degrees and 35 degrees, that applicant is able to reduce the cogging torque of the motor. Tajima does not achieve this advantage because each of the core slots in Tajima do not have an electrical angle of either 80-95 degrees or 20-35 degrees.

For the reasons set forth above, claim 1 is neither disclosed nor suggested by Tajima, thus, claim 1 is not subject to rejection under 35 U.S.C. § 102(b) as being anticipated by Tajima.

Although not identical, claim 42 recites features similar to those of claim 1. Therefore, claim 42 is not subject to rejection under 35 U.S.C. §102(b) as being anticipated by Tajima for at least the reasons set forth above with respect to claim 1.

In view of the amendments and remarks set forth above, the above-identified application is in condition for allowance which action is respectfully requested.

Respectfully Submitted,



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Enclosure: Version with markings to show changes made

Dated: May 1, 2002

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